

ABSTRACT

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A method for secure communications between a client and a server. The method includes the steps of managing a communications negotiation between the client and the server; receiving encrypted data packets from the client; decrypting each encrypted packet data; forwarding unencrypted data packets to the server; receiving data packets from the server; encrypting the data packets from the server; and forwarding encrypted data packets to the client. In a further embodiment, an apparatus communicating with a client via a public network and communicating with one of a plurality of servers via a secure network is disclosed. The apparatus includes a network communications interface, at least one processor, programmable dynamic memory, and a communications channel coupling the processor, memory and network communications interface. In addition, the apparatus includes a client/server open communications session manager, a client secure communication session manager, a client/server secure communications session tracking database; and a data packet encryption and decryption engine.